



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Attn: **BOX RCE**
Mitsuaki OSHIMA et al. : Docket No. 2000_1329
Serial No. 09/672,947 : Group Art Unit 2634
Filed September 29, 2000 : Examiner A. Le
COMMUNICATION SYSTEM : Confirmation No. **7026**

RECEIVED

AUG 25 2003

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Patentees request consideration of [X] the references listed on attached form PTO-1449 and/or [] the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. .

1a. This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) the certification of paragraph 2 below is provided, **or**
- (2) the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, **or**
- b. that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a. a full or partial English language translation submitted herewith,

- b. a foreign patent office search report (in the English language) submitted herewith,
- c. the concise explanation contained in the specification of the present application at page,
- d. the concise explanation set forth in the attached English language abstract,
- e. the concise explanation set forth below or on a separate sheet attached to the reference:

Japanese Patent No. 3-69295 corresponds to U.S. Patent No. 5,128,758
Japanese Patent No. 2-260726 corresponds to U.S. Patent No. 5,038,402

- 5. A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Mitsuaki OSHIMA et al.

By _____
Jeffrey R. Filipek
Registration No. 41,471
Attorney for Patentees

JRF/fs
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
August 21, 2003

FORM PTO 1449 (modified)

**U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

AUG 21 2003
LIST OF REFERENCES CITED BY APPLICANT(S)
(use several sheets if necessary)

Date Submitted to PTO: August 21, 2003

ATTY DOCKET NO.
2000_1329SERIAL NO.
09/672,947APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
September 29, 2000GROUP
2634

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|---------|------------------|-------|----------|----------------------------|
| | AA | 5,128,758 | 7-7-92 | Azadegan et al. | | | RECEIVED |
| | AB | 5,038,402 | 8-6-91 | Robbins | | | AUG 25 2003 |
| | AC | 5,638,112 | 6-10-97 | Bestler et al. | | | Technology Center 2600 |
| | AD | 5,063,445 | 11-5-91 | Nishizawa et al. | | | |
| | AE | 5,819,000 | 10-6-98 | Oshima | | | |
| | AF | 5,999,569 | 12-7-99 | Oshima | | | |
| | AG | 5,892,879 | 4-6-99 | Oshima | | | |
| | AH | 6,049,651 | 4-11-00 | Oshima | | | |
| | AI | 6,256,357 | 7-3-01 | Oshima | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
|--|----|-----------------|----------|---------|-------|----------|---|
| | AJ | 3-69295 | 3-25-91 | Japan | | | X |
| | AK | 2-260726 | 10-23-90 | Japan | | | X |
| | AL | 58-161427 | 9-26-83 | Japan | | abstract | |
| | AM | 57-39629 | 3-4-82 | Japan | | abstract | |
| | AN | 58-161547 | 9-26-83 | Japan | | abstract | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AO | |
| AP | |
| AQ | |

EXAMINER

DATE CONSIDERED

FORM PTO-1449 (modified)

O I P E
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
AUG 21 2003
LIST OF REFERENCES CITED BY APPLICANT(S)
(use several sheets if necessary)

ATTY DOCKET NO.
2000_1329SERIAL NO.
09/672,947APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
September 29, 2000GROUP
2634

Date submitted to PTO: August 21, 2003



U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|---------|-------------|-------|----------|----------------------------|
| | AA | 5,170,413 | 12-8-92 | Hess et al. | | | RECEIVED |
| | AB | | | | | | AUG 25 2003 |
| | AC | | | | | | Technology Center 2600 |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--|----|-----------------|----------|---------|-------|----------|-----------------------|
| | AH | 63-180222 | 7-25-88 | Japan | | | abstract |
| | AI | 2-94814 | 4-5-90 | Japan | | | abstract |
| | AJ | 61-70861 | 4-11-86 | Japan | | | abstract |
| | AK | 2-218279 | 8-30-90 | Japan | | | abstract |
| | AL | 2,095,435 | 5-10-92 | Canada | | | X |
| | AM | 91/20137 | 12-26-91 | WO | | | X |
| | AN | 92/22162 | 12-10-92 | WO | | | X |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AO | |
| | AP | |
| | AQ | |

EXAMINER

DATE CONSIDERED